

**DEPARTMENT OF TRANSPORTATION**

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch  
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:**Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-007980**Date Inspected:** 02-Jun-2009**Project Name:** SAS Superstructure**OSM Arrival Time:** 645**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1845**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China

<b>CWI Name:</b>	N/A	<b>CWI Present:</b>	<b>Yes</b>	<b>No</b>
<b>Inspected CWI report:</b>	<b>Yes</b> <b>No</b> <b>N/A</b>	<b>Rod Oven in Use:</b>	<b>Yes</b>	<b>No</b> <b>N/A</b>
<b>Electrode to specification:</b>	<b>Yes</b> <b>No</b> <b>N/A</b>	<b>Weld Procedures Followed:</b>	<b>Yes</b>	<b>No</b> <b>N/A</b>
<b>Qualified Welders:</b>	<b>Yes</b> <b>No</b> <b>N/A</b>	<b>Verified Joint Fit-up:</b>	<b>Yes</b>	<b>No</b> <b>N/A</b>
<b>Approved Drawings:</b>	<b>Yes</b> <b>No</b> <b>N/A</b>	<b>Approved WPS:</b>	<b>Yes</b>	<b>No</b> <b>N/A</b>
		<b>Delayed / Cancelled:</b>	<b>Yes</b>	<b>No</b> <b>N/A</b>
<b>Bridge No:</b>	34-0006	<b>Component:</b>	OBG COMPONENT	

**Summary of Items Observed:**

On this date Caltrans OSM Quality Assurance(QA) Inspector, Subhasis Bera was present during the times noted above for observations relative to the work being performed.

BAY #14

Segment 7BW

This Quality Assurance Inspector (QA) performed 15% verification Magnetic Particle Testing (MT) for areas previously tested and accepted by ZPMC QC technicians. This QA inspector generated a (MT) report for this date.

The members are identified as the corner assembly stiffener attachment welds to the side, edge and deck plate.

The weld designations are as follows:

EP-58-001-001&002  
EP-66A-001-004&003  
EP-66B-001- 001&002  
EP-67A-001-002&003  
SP-757A-001-024&025  
SP-519A-001-024&025  
SP-479A-001-002&003  
SP-757A-001-024&025  
SP-757B-001-051&050

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SP-519B-001-056&057  
SP-479B-001-057&058  
SP-520A-001-006&007  
SP-480A-001-002&003  
SP-480B-001- 005&006  
FB-011-020-047,048&037  
FB-011-010-047,048&037

Out Side Assembly Yard

### Segment 4BW

This Quality Assurance Inspector (QA) performed 15% verification Magnetic Particle Testing (MT) for areas previously tested and accepted by ZPMC QC technicians. This QA inspector generated a (MT) report for this date. The members are identified as the deck panel diaphragm to floor beam flange welds. The weld designations are as follows:

SSD18A-PP28-005

During random verification magnetic particle testing MT of the deck panel diaphragm to floor beam flange weld No SSD18A-PP28-005 this QA Inspector discovered a total of one (1) linear indication measuring approximately 9mm in length. See incident report on this date.

Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.

### Summary of Conversations:

No relevant conversations

### Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Eric Tsang 150-0042-2372, who represents the Office of Structural Materials for your project.

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<b>Inspected By:</b>	Bera,Subhasis	Quality Assurance Inspector
<b>Reviewed By:</b>	Prue,Erik	QA Reviewer

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